

<p>Damietta University Faculty of Science Environmental Science Dept. 4th year Environmental Science Students</p>	 جامعة دمياط Damietta University 1 st term Exam Jan. 2025	<p>Course Title: Nature reserves & environmental life Course Code: (405 E) Date: 9/1/ 2024 Time: 2 Hours</p>
--	---	---

Answer all following questions:

Total: 70 Marks

Question 1: [48 Marks]

A) Write the scientific term for the following: [13 Marks]

- 1- Public lands that are designated by Congress to retain their primitive character and undeveloped state.
- 2- Natural reserve located in North Sinai, at the eastern end of Lake Bardawil and has international importance for migratory birds.
- 3- A significant geological feature created by tectonic movements in Ras Mohammed reserve and providing a unique environment for various organisms such as blind red shrimp.
- 4- Protected area characterized by mountainous desert environment with sand dunes at wadi kid, interspersed with valleys rich in natural plants in addition to mangrove.
- 5- A national park with large white chalk rock formations (created through erosion by wind and sand), cliffs, sand dunes as well as Wadi Hennis and oases at Ain El Maqfi and Ain El Wadi.

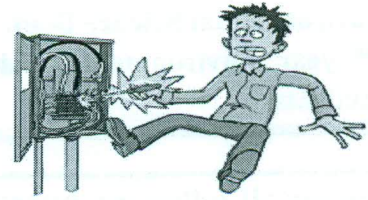
B) Complete the following sentences: [29 Marks]

- 1-and.....are among adaptive strategies of desert plants.
- 2- The importance of bird observatory in Ras Mohammed Reserve include.....and.....
- 3- Mount Catherine,..... and.....are among the rugged mountains found in St. Katherine protected area.
- 4- To be an environmentally responsible tourist, you should....., and.....
- 5- The challenges facing nature reserves include.....,.....,.....and.....
- 6-and.....are some examples of the fauna in St. Katherine protected area.

7- The type of hazard in (a) is....., while in (b) is.....



(a)



(b)

C) Calculate the risk rating of an accident occurring in a natural reserve if you know that the severity of the hazard = 4 and its probability = 5, comment on your result and illustrate the necessary measures for this accident. [6 Marks]

Question 3: [22 Marks]

A) How are both: petrified forests and Wadi Sanur Cave formed? [9 Marks]

B) Discuss the following:

i. Wadi El-Rayan is a natural environment for threatened animals and rare migrating birds. [3 Marks]

ii. El Omayed natural reserve includes diverse environment. [3 Marks]

iii. The importance of mangroves in Ras Mohammed reserve. [4 Marks]

iv. Scientific and geological importance of the Gebel Kamil Meteorite site. [3 Marks]

-----With my best wishes-----

Dr. Basma Omar